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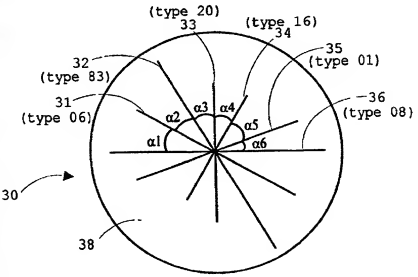
(54) Title: A TAG FOR ELECTRONIC ARTICLE IDENTIFICATION, A METHOD FOR ENCODING AN IDENTITY CODE INTO SUCH A TAG, AND AN APPARATUS FOR THE IDENTIFICATION THEREOF



(57) Abstract: A tag (30) for electronic article identification has at least two magnetic elements (31-36), which represent an identify of the tag, or of an article to which the tag is attached. The magnetic elements may be electromagnetically detected and are formed as wires made from an amorphous or nano-crystalline metal alloy. The magnetic elements (31-36) are arranged at predetermined angles (α_1-α_6) to each other. At least one of the magnetic elements (31-36) has a length (L_1-L_6), which is different from the length of at least one other magnetic elements (31-36) of the tag. Furthermore, at least one of the magnetic elements has a diameter (ϕ_1-ϕ_6), which is different from the diameter of at least one other magnetic element of the tag. The lengths and diameters of the magnetic elements, and the angles between them, jointly form the identity of the tag.

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